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| Basis | High quality fast casting resin system |
| Resin | SG 130 L |
| Hardener | PUR 11 Comp. B |
| Colour | ivory |

Applications

- Mould probes for trimming of prototypes
- Pattern plates
- Foundry patterns
- Core boxes
- Control castings
- Coping models
- Negatives
- Prototypes

Properties

- unfilled
- longer processing time
- high strength

Processing data

| Product | | Mixture SG 130 L / PUR 11 | Resin SG 130 L | Hardener PUR 11 Comp. B |
|-----------------------|---------------------|------------------------------|-------------------|----------------------------|
| Colour | | ivory | whitish | yellow |
| Mixing ratio | p. b. w. | | 100 | 100 |
| | volume | | 100 | 91 |
| Viscosity at 25°C | mPas | 50 - 100 | 250 ± 50 | 25 ± 10 |
| Density at 20°C | g / cm ³ | 1,10 ± 0,02 | 1,00 ± 0,02 | 1,10 ± 0,02 |
| Pot life 200 g / 20°C | min. | 5 - 7 | - | - |
| Curing time at RT | min. | 30 - 90 | - | - |

Physical data

| Properties | Inspect. requirem. | Unit | Value |
|----------------------------------|--------------------------------|----------------------------------|------------|
| Flexural strength | EN ISO 178 | MPa | 40 ± 3 |
| Flexural elongation at break | EN ISO 178 | % | 7,6 ± 0,3 |
| Flexural modulus | EN ISO 178 | MPa | 1000 ± 100 |
| Impact resistance (Charpy) | EN ISO 179 | kJ/m ² | 20 ± 4 |
| Compressive strength | EN ISO 604 | MPa | 34 ± 3 |
| Shore hardness | DIN ISO 7619-1 | Shore D | 67 ± 2 |
| Coefficient of thermal expansion | internal test / Dilatometer | 10 ⁻⁶ K ⁻¹ | - |
| Linear shrinkage | internal | % | - |

Sales units (packages)

| | | | |
|-------|----------|----------------|---------------------------------|
| Units | Comp. A | SG 130 L | 1,000 kg / 5,000 kg / 50,000 kg |
| | Hardener | PUR 11 Comp. B | 1,000 kg / 5,000 kg / 50,000 kg |

Processing instructions

The fillers should be stirred into the single components A and B, so they have nearly the same viscosity. After the both components can be mixed very well.

In case of small quantities and sufficient experience it is also possible to mix the unfilled components first and then to stir into the filler, without making the potlife too short for casting.

In General

This is a Polyurethane system.

Material should be carefully stirred up/ shaken before use.

Filler content and sales units are on the separate mixing table noted.

Storing

Storage at room temperature 18-25 °C.

Opened containers should be closed immediately after use and should be used up as soon as possible.

Shelf life is indicated on the labels.

Safety measure

Please follow the precaution instructions of the Government Safety Organisation of the chemical industry when working with this material. Please follow safety advices !

Waste Disposal

According to arrangement with local authorities cured material can be disposed as domestic or commercial waste.

Non-cured products are waste which is subject to inspection and has to be disposed accordingly.

In case of further questions please do not hesitate to contact our Department for Product Safety.

The instructions and recommendations are given in good faith and are based on long experience and careful tests. Since the conditions of use are beyond our control, and due to versatility of applications and working methods, we can't give any guarantee. All information are non-binding and are no guarantee for special characteristics or properties of the product. Despite information given from **ebalta** the customer has to make his own tests regarding applications and processing. If any special warranty is requested, written agreement on this subject is essential.